

P164

Lake Carmel 7 1/2 quad
13.75
11.9 E

Carmel
15' quad
15Y 6.95 6.0 E

RECORD OF WELL

See P272 for sketch these 2 wells are different.

Locate well on plat of section.

- Location: State N.Y. County Putnam
formerly part of Green Cabins Nearest P. O. Mrs. Goodheart
Mrs. Elizabeth Eastwood Distance from P. O. 1/4 miles; 1/4 sec. T. R. R.
If in city, give street and number Turn of Southeast
Formerly Green Light: Now Dearie's RFD.
- Owner: Thomas Mastrangelo Address Brewster, N.Y.
Driller: P. F. Beal & Sons Address Brewster, N.Y.
H. Beal on rig
- Situation: Is well on upland, in valley, or on hillside? valley
- Elevation of top of well: 410 ft. above the level of sea
(Above or below)
- Type of well: drilled ; kind of drilling rig used core drill
(Dug, driven, or bored) (Solid tool, setting, rotary, etc.)
- Depth of well: 220 ft. year in which well was finished 1936 deepened in 1938
originally 112' deep 200' drilled
Does well enter rock? yes ; if so, at what depth? 145 ft.; kind of rock ?
- Diameter: At top 6 inches; at bottom 6 inches.
- Principal water bed: 25 GPM at 200'
Depth to principal water bed 200' (Gravel, sand, clay, or rock. If rock, state kind)
ft.; thickness of bed ? ft.
If other water supplies were found, give depth to each 6-7 GPM at 100'-145'
- Casings: Kind steel ; size 6" ; length 145 ft.; between depths of 0 and 145 ft.
Kind doublecased? ; size 5" ; length 165 ft.; between depths of 145 and ? ft.
Kind ? ; size ? ; length ? ft.; between depths of ? and ? ft.
- Packers (if any): Depth at which packers were used none ; kind ?
- Screen or Strainer: Was well finished with screen? no ; kind of screen ?
length of screen ? ft.; diameter ? inches; size of openings ?
- Head: Does well at present overflow without pumping? no ; did it overflow when new? no
if flowing, give pressure ? lb. per sq. inch; or height water will rise in a pipe ? ft. above surface;
original pressure or head ? ; if not flowing, give water level in well 8 ft. below surface.
- Pump: Is the well pumped? yes ; kind of pump Myers SW
size or capacity of pump ? ; kind of power electric
- Yield: Natural flow at present (if any) ? gallons per minute; original flow ? gallons per minute;
well has been pumped at 25 (see above) gallons per minute continuously for 3 days hours;
quantity of water ordinarily obtained from well 500-1000 gallons per day. without going dry.
- Use: For what purpose is the water used? 1 home and tavern 30 people live over!
- Quality of the water: Hard - leaves white line crust ; is there an analysis? yes (over)
(Hard or soft, fresh or salty, etc.)
- Cost of well, not including pump: ? Temperature of water ? ° F.

Name of person filling blank J. J. Grossman from Mr. Mastrangelo and

Date 6-8-50

Address U.S.S. & Albany

H. Beal 8-10-50

owners → LOG OF WELL from memory

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET		THICKNESS, IN FEET	REMARKS (Especially information as to water found)
	From—	To—		
Topsoil	0	2	2	
Hardpan and boulders	2	100	98	
Quicksand (white sand)	100	145	45	6-7 GPM
Bedrock	145	150	5	
Cavity ("tools went right down")	150	154	4	lots of water
Bedrock	154	220	66	
<p>When pumped at 25 GPM at 200' for 3 days (continuously), "white flashes" of lime came up. Well originally cemented at 150 ft. with 12 bags of cement. Cavity at 150 ft. had an unlimited amount of white, flakky water. After cementing, this flow was cut down to only 7½ GPM but it cleared right up. Well had to be deepened because sand clogged pumps & came into toilets, etc.</p>				
<p>Analyses. 3-9-38 10-3-40 6-23-41 drill well - at pump drilled drill well House well</p>				
Total hardness		148	134	150
Alk A		174	168	166
CO ₂		27	13	10
Cl		4 ^{2.8}	5 ^{3.5}	6 ^{4.2} ✓
SO ₃		12 ¹⁴	6 ⁷	7 ⁸ ✓
Fe		0.6	0.2	0.1
Turbidity		10	5	3
Color		10	15	5
pH		9.8	7.4	7.5
Total compensated hardness		9	8	9